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F-79170 Bressuire (FR). RAZAVI, Abbas [IR/BE]; 35,
Domaine de la Brisée, B-7000 Mons (BE).

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(71) Applicants (for all designated States except US): TO-
TAL PETROCHEMICALS RESEARCH FELUY
[BE/BE]; Zone Industrielle C, B-7181 Seneffe (Feluy)
(BE). CENTRE NATIONAL DE LA RECHERCHE
SCIENTIFIQUE [FR/FR]; 3, Rue Michel Ange, F-75016
Paris (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): LAVASTRE,
Olivier [FR/FR]; La Mazure, F-35490 Gahard (FR).
BONNETTE, Fabien [FR/FR]; 26, Rue de Bel'Air,

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(54) Title: HETEROGENISATION OF POLYMERISATION CATALYSTS BY IONIC LIQUIDS

(57) Abstract: The present invention discloses a method for preparing a dissolved catalyst component comprising the steps of: a) providing a halogenated precursor component of formula (I) $X-[CH_2-]$; b) reacting the halogenated bisimine precursor with an ionic liquid precursor in a solvent to prepare an ionic liquid; c) mixing in a solvent one equivalent of the ionic liquid prepared in step b) with a metallic complex of formula (II) L_2MY_2 wherein L is a coordinating ligand for the metallic site, said coordination being achieved by phosphorus, nitrogen or oxygen; d) evaporating the solvent; and e) retrieving a hybrid single site catalyst component/ionic liquid system. It also discloses an active catalyst system heterogenised by an ionic liquid and its use in the polymerisation of olefins.



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